查询HPI-6FGR4供应商

PIN Photodiode

KODENSHI

HPI - 6FGR4

The HPI - 6FGR4 is a high - output, high - speed silicon photodiode mounted in a side - viewing plastic package with visible light cutoff filter. This photodiode is both compact and easy to mount.

FEATURES

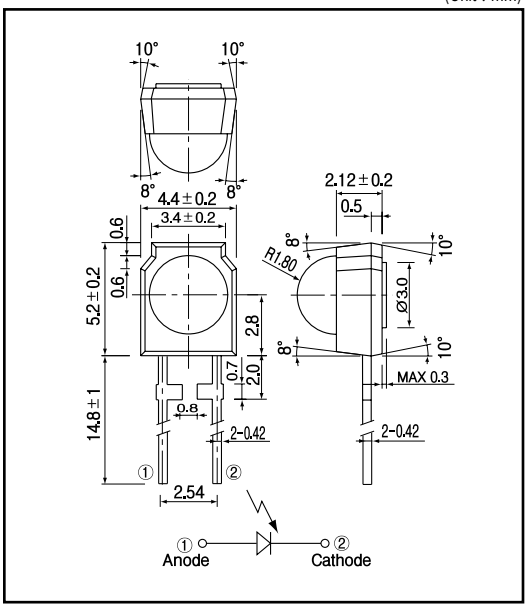
- Compact visible ray widely cut off mold type
- High speed response

APPLICATIONS

- Optical transmission
- Optic receiver modules

DIMENSIONS

(Unit : mm)



MAXIMUM RATINGS

(Ta=25℃)

Item	Symbol	Rating	Unit
Reverse voltage	V_R	35	V
Power dissipation	P_D	150	mW
Operating temp.	Topr.	−30 +70	℃
Storage temp.	Tstg.	−40 +80	℃
Soldering temp.*1	Tsol.	260	℃

*1.For MAX.5 seconds at the position of 2 mm from the package

ELECTRO-OPTICAL CHARACTERISTICS

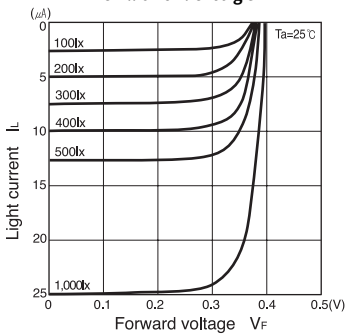
(Ta=25℃)

Item	Symbol	Conditions	Min.	Typ.	Max.	Unit.
Open circuit voltage	V_{OC}	E_V=1,000lx*2		0.38		V
Short circuit current	I_{SC}	E_V=1,000lx*2		24		μA
Curve factor	C.F.		0.55			—
Dark current	Id	V_R=10V			10	nA
Capacitance	Ct	V=0V,f=1MHz		24		pF
Temperature coefficient of Voc	αt			−2.2		mV/℃
Temperature coefficient of Isc	βt			0.18		%/℃
Spectral sensitivity	λ		880	1050		nm
Peak wavelength	λp			1,000		nm
Half angle	Δ θ			±40		deg.

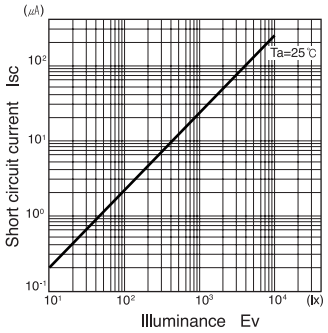
*2.Color temp.=2856K standard Tungsten lamp

HPI - 6FGR4

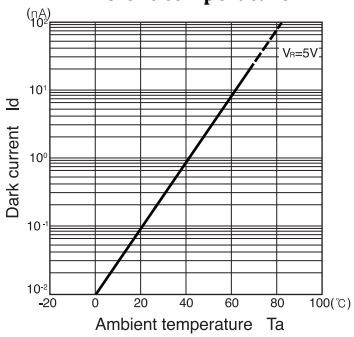
Light current Vs. Forward voltage



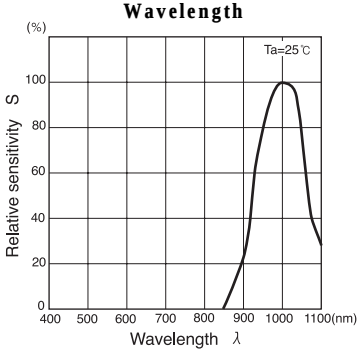
Short circuit current Vs. Illuminance



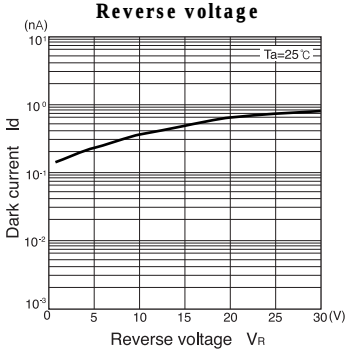
Dark current Vs. Ambient temperature



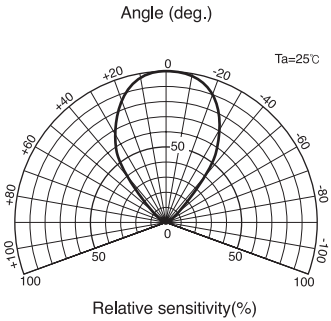
Relative sensitivity Vs. Wavelength



Dark current Vs. Reverse voltage



Radiant Pattern



Capacitance between terminals Vs. Reverse voltage